

# Weekly Report of the 13th week

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## Done

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1. **Monday**: still worked on the selector API, added the selectotr string split function into the API, then, the API supports multiple selectors.
2. **Tuesday**: added the descendant selectotr and the children selector into the selector API just with the framework.
3. **Wednesday**: added two function which are finding the descendant elements and the children elements, so we can fill the framework done in Tuesday.

```
ST.prototype.descendant = function(element) {  
  var descendant = new sigma.classes.collection(this._s);  
  var BFS = function(element) {  
    var result = [];  
    if (!!element.children){  
      var result = element.children.reduce((re, child) => {  
        return re.concat(BFS(child));  
      }, result.concat(element.children));  
    }  
    return result;  
  }  
  BFS(element).forEach((des) => {  
    descendant.add(des);  
  });  
}  
ST.prototype.children = function(element) {  
  var children = new sigma.classes.collection(this._s);  
  element.children.forEach((child) => {  
    children.add(child);  
  });  
  return children;  
}
```

4. **Thursday, Friday and Saturday**: working on the thesis and finally accomplished it.

## To Do

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1. Test the API on visallo
2. Prepare the thesis reply.

